



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: IECEx IMQ 13.0004X Issue No: 0 Certificate history:
Issue No. 0 (2013-05-30)

Status: **Current** Page 1 of 3

Date of Issue: **2013-05-30**

Applicant: **Bimed Teknik Aletler San ve Tic. A.S.**
Orkide Cad. nr. 15 – Istanbul (Turkey)
Turkey

Electrical Apparatus: **Polyamide cable glands for non-circular cables - series B..-X (axb)**
Optional accessory:

Type of Protection: **Ex e; Ex tb**

Marking: Ex e IIC Gb
Ex tb IIIC Db IP66/68

*Approved for issue on behalf of the IECEx
Certification Body:*

Mr. Mauro CASARI

Position:

IMQ ExCB Manager

*Signature:
(for printed version)*

Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

Istituto Italiano del Marchio di Qualità S.p.A
Via Quintiliano 43
20138 Milano,
Italy





IECEX Certificate of Conformity

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Manufacturer: **Bimed Teknik Aletler San ve Tic. A.S.**
Orkide Cad. nr. 15 – Istanbul (Turkey)
Turkey

Additional Manufacturing
location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

IEC 60079-0 : 2007-10 Edition:5	Explosive atmospheres - Part 0:Equipment - General requirements
IEC 60079-31 : 2008 Edition:1	Explosive atmospheres – Part 31: Equipment dust ignition protection by enclosure "t"
IEC 60079-7 : 2006-07 Edition:4	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in

Test Report:

[IT/IMQ/ExTR13.0004/00](#)

Quality Assessment Report:

[IT/CES/QAR12.0003/00](#)

[IT/CES/QAR12.0003/01](#)



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Schedule

EQUIPMENT:

Equipment and systems covered by this certificate are as follows:

The polyamide cable glands series BM-X (axb) are used to introduce permanently non-circular cables into enclosure. Cable glands are suitable for electrical equipment either with type of protection Ex-e or type of protection Ex-t. They can have chloroprene or silicon sealing ring. Cable glands should be also used for intrinsically safe circuits Ex-i. These cable glands shall have a light blue painted part.

CONDITIONS OF CERTIFICATION: YES as shown below:

The cable glands are suitable only for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting. The cable glands with the relevant cables shall be used where a protection against risk of mechanical damage is provided. The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.

Annex:

[IECEx IMQ 13.0004X issue No. 0 Annex new final version.pdf](#)

Annex to: IECEx IMQ 13.0004X issue No. 0
 Applicant: Bimed Teknik Aletler San ve Tic. A.S.
 Apparatus: B.-X (axb)



General description

The polyamide cable glands series B.-X (axb) are used to introduce permanently non-circular cables into enclosure. Cable glands are suitable for electrical equipment either with type of protection Ex-e or type of protection Ex-t. They can have chloroprene or silicon sealing ring. Cable glands should be also used for intrinsically safe circuits Ex-i. These cable glands shall have a light blue painted part.

Conditions of use

- The cable glands are only suitable for fixed installations. Cables shall be effectively clamped to prevent pulling or twisting.
- The cable glands and the relevant cables, shall be used where a protection against risk of mechanical damage is provided.
- The cable gland installation shall be done according to safety manufacturer instructions to maintain degree of protection.

Design options

Materials: polyamide PA6 for body, chloroprene or silicone for gasket and sealing ring.

Threads types: ISO pitch 1,5 (EN 60423)
 NPT (ANSI B1.20.1)
 PF (ISO 228)
 PG (DIN 40430)

All devices are provided with flat gasket.

Cable gland sizes:

Cable Gland Code	Thread	Sealing Hole Dimension	Cable Range	
			$a_{min} \times b_{min}$ (mm)	$a_{max} \times b_{max}$ (mm)
BM-X2	M20x1.5	10,0x4,0	10,0x3,3	10,4x4,0
		10,8x6,0	9,3x5,8	10,8x6,0
		11,0x6,5	9,0x6,0	11,3x8,0
BM-X2L	M20x1.5	10,0x4,0	10,0x3,3	10,4x4,0
		10,8x6,0	9,3x5,8	10,8x6,0
		11,0x6,5	9,0x6,0	11,3x8,0
BM-X3	M20x1.5	10,8x6,0	10,1x5,3	11,9x7,2
		12,8x5,0	12,1x4,3	12,8x5,3
		12,4x6,5	11,9x5,8	13,4x8,9
BM-X4	M20x1.5	10,8x6,0	10,1x5,3	11,9x7,2
		12,8x5,0	12,1x4,3	12,8x5,3
		12,4x6,5	11,9x5,8	13,4x8,9
BM-XSX5	M25x1.5	10,0x4,0	10,0x3,3	10,4x4,0
		10,8x6,0	9,3x5,8	10,8x6,0
		11,0x6,5	9,0x6,0	11,3x8,0

Annex to: IECEx IMQ 13.0004X issue No. 0
 Applicant: Bimed Teknik Aletler San ve Tic. A.S.
 Apparatus: B.-X (axb)



Cable Gland Code	Thread	Sealing Hole Dimension	Cable Range	
			$a_{min} \times b_{min}$ (mm)	$a_{max} \times b_{max}$ (mm)
BM-SX5	M25x1.5	10,8x6,0	10,1x5,3	11,9x7,2
		12,8x5,0	12,1x4,3	12,8x5,3
		12,4x6,5	11,9x5,8	13,4x8,9
BM-X5	M25x1.5	12,0x6,0	12,9x5,6	13,8x6,0
		15,0x5,0	14,6x6,2	15,0x5,0
BM-XSX6	M25x1.5	10,0x4,0	10,0x3,3	10,4x4,0
		10,8x6,0	9,3x5,8	10,8x6,0
		11,0x6,5	9,0x6,0	11,3x8,0
BM-SX6	M25x1.5	10,8x6	10,1x5,3	11,9x7,2
		12,8x5,0	12,1x4,3	12,8x5,3
		12,4x6,5	11,9x5,8	13,4x8,9
BM-X6	M25x1.5	12,0x6,0	12,9x5,6	13,8x6,0
		15,0x5,0	14,6x6,2	15,0x6,2
BM-SX7	M32x1.5	12,0x6,0	12,9x5,6	13,8x6,0
		15,0x5,0	14,6x6,2	15,0x6,2